Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/11/2021 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123852	-1	1.22	123750	1.22
Blue	F	SSC	125000	122346	-3	2.38	122630	2.26
Blue	E	FITC	13131	12683	-4	2.20	293	15.11
Blue	D	PE	24112	23499	-3	1.63	538	10.59
Blue	B	PerCP-Cy5-5	31295	30241	-4	2.85	1003	13.88
Blue	A	PE-Cy7	19939	19622	-2	5.04	525	28.13
Red	C	APC	42122	41315	-2	2.86	1728	11.46
Red	A	APC-Cy7	22340	21490	-4	3.23	801	11.56
Violet	B	V450	7410	6919	-7	3.73	419	12.39
Violet	A	V500	28118	26606	-6	3.35	662	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22916	0.98	562	-7	N/A	N/A	Pass
Blue	F	SSC	56995	1.10	514	2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	482	-5	0.0467	155	Pass
Blue	D	PE	113	37.07	484	-4	0.4667	364	Pass
Blue	B	PerCP-Cy5-5	187	34.82	579	-7	0.0222	98	Pass
Blue	A	PE-Cy7	105	66.12	622	-6	0.0237	2	Pass
Red	C	APC	399	24.10	577	1	0.0273	171	Pass
Red	A	APC-Cy7	181	27.05	551	0	0.0064	968	Pass
Violet	B	V450	58	65.03	456	3	0.0737	2944	Pass
Violet	A	V500	96	34.70	468	3	0.0291	1137	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.47	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.53	13.60 - 20.40	N/A	N/A	29.94	30.10	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9807

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments